PROFESSIONAL MEASURING
SINCE 1844

KERN

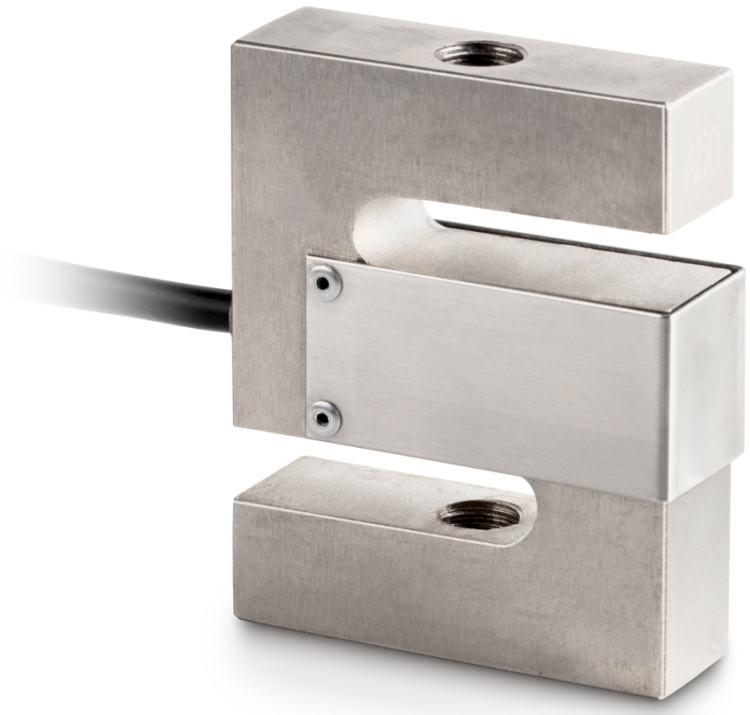
Product brochure

30.10.2026

SAUTER CS 50-3Q1

6-wire "S" measuring cell made of nickel-plated steel for force and mass measurement

ENGLISH



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APPLICATION EXAMPLE



FEATURES

- Area of application: for tensile and compressive force measurement
- Suitable for handing scales, weigh hoppers and other weighing devices as well as force measurement devices and test stands

MAIN SCOPE OF APPLICATIONS

- Mechanical engineering and plant construction
- Testing technology and material testing
- Conveyor technology and logistics
- Container and silo weighing
- Medical technology and research

PICTOGRAMS

Standard



Option



MODEL OVERVIEW

Model	Weighing capacity [Max]	Measuring range [Max]
CS 50-3Q1	50 kg	500 N
CS 100-3Q1	100 kg	1 kN
CS 150-3Q1	150 kg	1,5 kN
CS 200-3Q1	200 kg	2 kN
CS 300-3Q1	300 kg	3 kN
CS 500-3Q1	500 kg	5 kN

Model	Weighing capacity [Max]	Measuring range [Max]
CS 750-3Q1	750 kg	7,5 kN
CS 1000-3Q1	1000 kg	10 kN
CS 1500-3Q1	1500 kg	15 kN
CS 2000-3Q1	2000 kg	20 kN
CS 3000-3Q1	3000 kg	30 kN
CS 5000-3Q1	5000 kg	50 kN
CS 6000-3Q1	6000 kg	60 kN

ACCESSORIES

Model	Description
AFH 05	Stainless steel handle with plastic coating AFH 05
AFM 16	Adapter AFM 16 (External thread M12 | Threaded hole M10)
AFM 17	Adapter AFM 17 (External thread M12 | External thread M10)
AFM 18	Adapter AFM 18 (External thread M12 | External thread M10)
AFM 19	Adapter AFM 19 (External thread M12 | Threaded hole M18 × 1,5)
AFM 21	Threaded pin AFM 21
CE Q12	Traction device CE Q12
CE R12	Rod end CE R12
CE RR12	Rod end CE RR12
FS 402	Connector for FS measuring cell mounted & adjusted to 500 N FS 402
FS TKZ	Transport case FS TKZ
YKV-01	Digital weighing transmitter YKV-01

SERVICES

Model	Description
961-161	Factory calibration certificate 961-161 (tension | N)
961-161V	Factory calibration certificate 961-161V (tension | mV/V)
961-261	Factory calibration certificate 961-261 (compression | N)
961-261V	Factory calibration certificate 961-261V (compression | mV/V)
961-361	Factory calibration certificate 961-361 (tension, compression | N)

Model	Description
961-361V	Factory calibration certificate 961-361V (tension, compression | mV/V)
963-161	DAkkS calibration certificate 963-161 (force direction tension | measurement result unit N | calibration standard DKD-R 3-3 - sequence A)
963-161IV	DAkkS calibration certificate 963-161IV (force direction tension | measurement result unit mV/V | calibration standard ISO 376)
963-161V	DAkkS calibration certificate 963-161V (force direction tension | measurement result unit mV/V | calibration standard DKD-R 3-3 - sequence A)
963-261	DAkkS calibration certificate 963-261 (force direction compression | measurement result unit N | calibration standard DKD-R 3-3 - sequence A)
963-261IV	DAkkS calibration certificate 963-261IV (force direction compression | measurement result unit mV/V | calibration standard ISO 376)
963-261V	DAkkS calibration certificate 963-261V (force direction compression | measurement result unit mV/V | calibration standard DKD-R 3-3 - sequence A)
963-361	DAkkS calibration certificate 963-361 (force direction tension, compression | measurement result unit N | calibration standard DKD-R 3-3 - sequence A)
963-361IV	DAkkS calibration certificate 963-361IV (force direction tension, compression | measurement result unit mV/V | calibration standard ISO 376)
963-361V	DAkkS calibration certificate 963-361V (force direction tension, compression | measurement result unit mV/V | calibration standard DKD-R 3-3 - sequence A)
970-014	Warranty extension (+3 years) 970-014

KERN Pictogram Overview

	Protection against dust and water splashes IP67
	Package shipment by courier service: The duration of internal product provision is one day
	Factory calibration (ISO): Factory calibration takes 4 working days
	Accredited calibration (DKD): The duration of the accredited calibration is 3 working days